Figure 1

basa | MCH TSH DitON 12610 **E**5651 **M**569L **Cell-Based Cyclase Assay ₩269F MS69C** P271L C302X 24-IC3-22T2 T255K/T257R **T255K** GPR24 wt CMVTSHR CWA 400₁

Atty: G. Attwell - Telephone: 215 568 3100

GPCR Co-Transfected with TSHR (A623I)

Cheet 1 of 7

Docket No.: AREN-0207
Title: NON-ENDOGENOUS CONSTITUTIVELY ACTIVATED KNOWN G PROTEIN.

Docket No.: AREN-0207

Title: NON-ENDOGENOUS

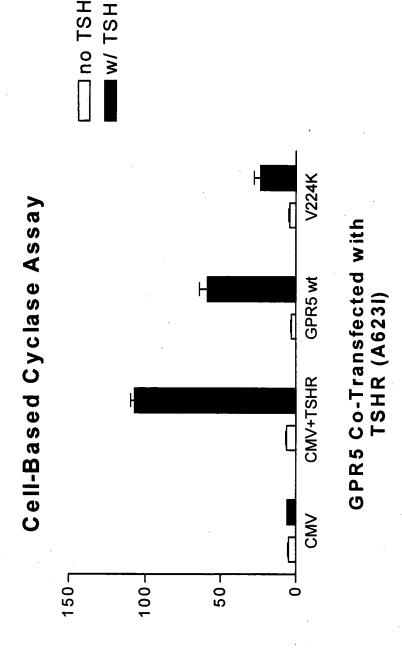
COUPLED RECEPTORS

Docket No.: AREN-0207

Sheet 2 of 7

Atty: G. Attwell - Telephone: 215 568 3100

cAMP (pmol)/mg protein



Docket No.: AREN-0207
Title: NON-ENDOGENOUS CONSTITUTIVELY ACTIVATED KNOWN G PROTEINCOUPLED RECEPTORS
Inventors: Lehmann-Bruinsma, Chen W. Liaw, and I-lin Lin

Atty: G. And Telephone: 215 568 3100
Sheet 3 of 7

Figure 3A



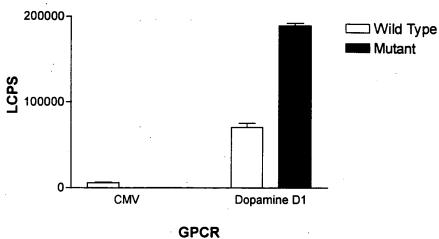
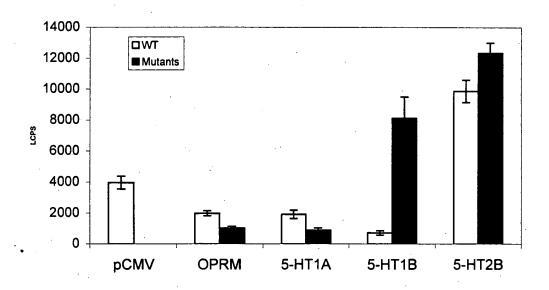


FIGURE 3B 8XCRE-Luc Reporter Assay



COUPLED RECEPTORS

arin Lehmann-Bruinsma, Chen W. Liaw, and I-lin Lin

ell - Telephone: 215 568 3100



FIGURE 3C

8XCRE-Luc Reporter Assay

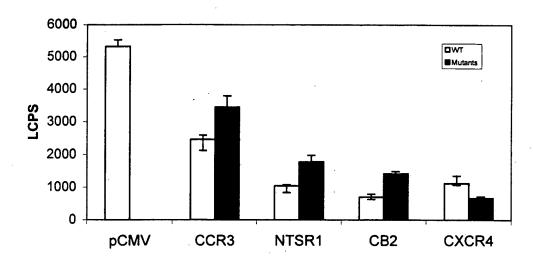


FIGURE 3D **8XCRE-Luc Reporter Assay**

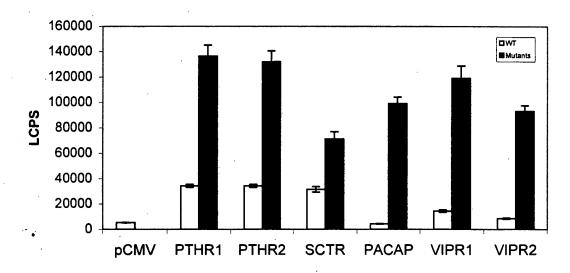
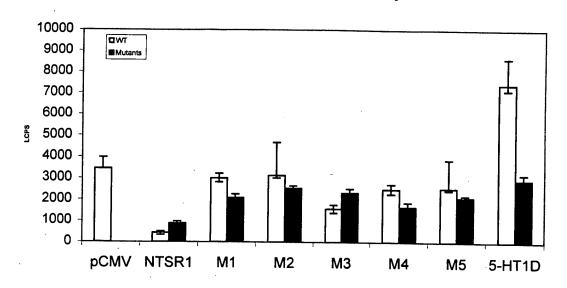
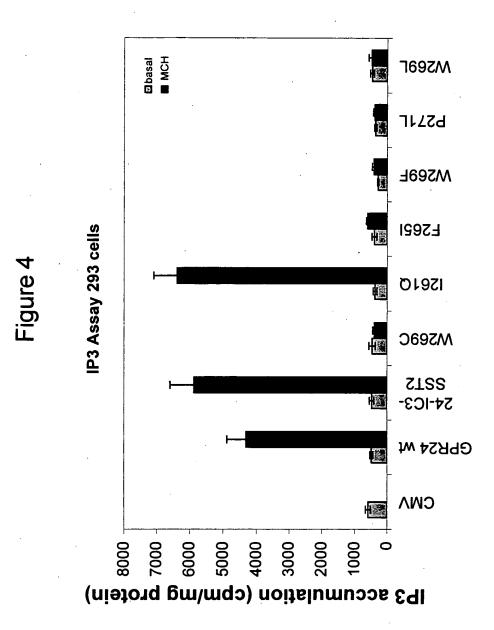


FIGURE 3E

8XCRE-Luc Reporter Assay





Title: NON-INDOGENOUS CONSTITUTIVELY ACTIVATED KNOWN G PROTEIN-

Sheet 6 of 7

Lehmann-Bruinsma, Chen W. Liaw, and I-lin Lin

COUPL

CEPTORS

Atty: G. Attwell - Telephone: 215 568 3100

Docket No.: AREN-0207
Title: NON-ENDOGENOUS CONSTITUTIVELY ACTIVATED KNOWN G PROTEIN-COUPLED RECEPTORS
Invento Carin Lehmann-Bruinsma, Chen W. Liaw, and I-lin Lin

Atty: well - Telephone: 215 568 3100

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FIGURE 5

Membrane cAMP Assay

